

BAKER BOTTS LLP

THE WARNER
1299 PENNSYLVANIA AVE., NW
WASHINGTON, DC
20004-2400
202.639.7700
FAX 202.639.7890

AUSTIN
BAKU
DALLAS
HOUSTON
LONDON
MOSCOW
NEW YORK
RIYADH
WASHINGTON

September 10, 2003

UTILITY PATENT APPLICATION TRANSMITTAL

Attorney Docket Number: 070198.0499

First Named Inventor: Tatsuhiko Fujihara

Title: Semiconductor Device With Alternating Conductivity Type Layer And Method Of Manufacturing The Same

TO: **BOX PATENT APPLICATION**
Commissioner for Patents
Washington, D.C. 20231

Sir:

Attached are the following for filing with the U.S. Patent and Trademark Office:

1. ☒ Fee Transmittal Form
2. ☒ Specification - Total Pages: 40 (Including Abstract)

CLAIMS AS FILED						
	Claims Filed	Basic Fee Claims	Extra	Rate		Amount
				Large Entity	Small Entity	
Total Claims	26	20		\$ 18.00	\$ 9.00	\$ 0.00
Independent Claims	2	3		\$ 84.00	\$ 42.00	\$ 0.00
First Presentation of Multiple Dependent Claims				\$ 280.00	\$ 140.00	\$ 0.00
BASIC FEE				\$ 750.00	\$ 375.00	\$ 750.00
TOTAL FILING FEE						\$ 750.00

3. ☒ Drawings - Total Sheets: 16 (Fig(s). 1-20)
4. Oath or Declaration - Total Pages: 3
 - a. ☐ Newly executed (original or copy)
☐ New (unexecuted)
 - b. ☒ Copy from a prior application
(for continuation/divisional with Box 17 completed)
 - i. ☐ DELETION OF INVENTOR(s):
Signed statement attached deleting inventor(s) named in prior application.

03945 U.S. PTO
10/658780
09/10/03

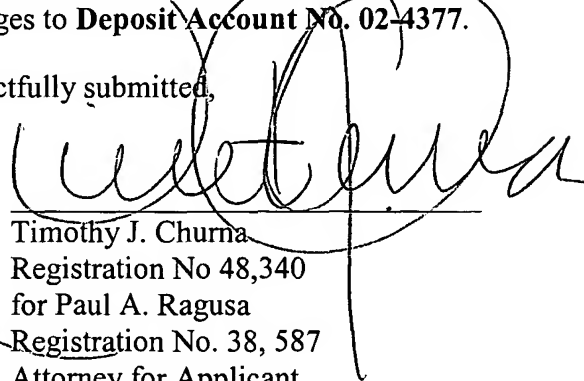
5. ☐ Incorporation By Reference (usable if Box 4b is marked)
The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.
6. ☐ Microfiche Computer Program (Appendix)
7. ☐ Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
- a. ☐ Computer Readable Copy
- b. ☐ Paper Copy (identical to computer copy)
- c. ☐ Statement verifying identity of above copies
8. ☐ Assignment and Assignment Recordation Form
9. ☐ 37 C.F.R. 3.73(b) Statement ☐ Power of Attorney
10. ☐ English Translation Document (if applicable)
11. ☐ Information Disclosure Statement with PTO-1449 and References
- ☐ Copies of Information Disclosure Statement Citations
12. ☒ Preliminary Amendment
13. ☒ Return Receipt Postcard
14. ☐ Small Entity Statement(s) ☐ Independent Inventor
☐ Small Business Concern
☐ Non-Profit Organization
- ☐ Statement Filed in Prior Application; Status Still Proper and Desired
15. ☐ Foreign Priority is Claimed as Follows:

- ☐ If Foreign Priority is Claimed, Certified Copy of the Above Priority Document(s) is Submitted Herewith
16. ☒ Other: Application Data Sheet
17. ☒ Continuation ☐ Divisional ☐ Continuation-in-Part of
Prior Application No.: 09/348,915 filed July 7, 1999
- ☐ Complete Application Based on Provisional Application No.: _____
filed _____

18. ☒ A new power of attorney or authorization of agent (PTO/SB/81) is as follows:
- ☒ The power of attorney is to: Dana M. Raymond, Reg. No. 18,540; Frederick C. Carver, Reg. No. 17,021; Francis J. Hone, Reg. No. 18,662; Joseph D. Garon, Reg. No. 20,420; Arthur S. Tenser, Reg. No. 18,839; Ronald B. Hildreth, Reg. No. 19,498; Thomas R. Nesbitt, Jr., Reg. No. 22,075; Robert Neuner, Reg. No. 24,316; Richard G. Berkley, Reg. No. 25,465; Richard S. Clark, Reg. No. 26,154; Bradley B. Geist, Reg. No. 27,551; James J. Maune, Reg. No. 26,946; John D. Murnane, Reg. No. 29,836; Henry Tang, Reg. No. 29,705; Robert C. Scheinfeld, Reg. No. 31,300; John A. Fogarty, Jr., Reg. No. 22,348; Louis S. Sorell, Reg. No. 32,439; Rochelle K. Seide, Reg. No. 32,300; Gary M. Butter, Reg. No. 33,841; Marta E. Delsignore, Reg. No. 32,689; and Lisa B. Kole, Reg. No. 35,225.
- ☐ Please remove as power of attorney:
- ☒ Please add as power of attorney: Raul A. Ragusa, Reg. No. 38,587 and Timothy J. Churna, Reg. No. 48,340
19. Please address all correspondence to: **21003**
20. ☐ A check in the amount of \$ _____ is enclosed. In the event any variance exists between the amount enclosed and the Patent Office charges, please charge or credit any such variance to Deposit Account No. 02-0375.
- ☒ The Commissioner is hereby authorized to charge any variance between the amount enclosed and the Patent Office charges to **Deposit Account No. 02-4377**.

Respectfully submitted,

By:


Timothy J. Churna
Registration No 48,340
for Paul A. Ragusa
Registration No. 38, 587
Attorney for Applicant
Telephone No. (212) 408-2588

PAR/TJC/dh

Enclosures

09/10/03

17224 U.S. PTO



FEE TRANSMITTAL [BOX PATENT APPLICATION]		<i>Complete If Known</i>																																									
		Application No.		To be assigned																																							
		Filing Date		September 9, 2003																																							
		First Named Inventor		Tatsuhiko Fujihara																																							
		Examiner Name		To be assigned																																							
		Group Art Unit		To be assigned																																							
Total Amount Of Payment (\$)		750.00		Attorney Docket No. 070198.0499																																							
METHOD OF PAYMENT (check one)			FEE CALCULATION (continued)																																								
1. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any over payments to Deposit Account No. 02-4377 in the name of Baker Botts L.L.P. <input type="checkbox"/> Charge any additional fee required under 37 C.F.R. §§ 1.16 and 1.17 to Deposit Account No. 02-4377 .			3. ADDITIONAL FEES <table style="width: 100%; border-collapse: collapse;"> <tr> <th style="text-align: left;">Fee Description</th> <th style="text-align: right;">Fee Paid</th> </tr> <tr><td><input type="checkbox"/> Surcharge - late filing fee or oath</td><td style="text-align: right;">\$</td></tr> <tr><td><input type="checkbox"/> Surcharge - late provisional filing fee or cover sheet</td><td style="text-align: right;">\$</td></tr> <tr><td><input type="checkbox"/> Extension for reply with 1 month</td><td style="text-align: right;">\$</td></tr> <tr><td><input type="checkbox"/> Notice of Appeal</td><td style="text-align: right;">\$</td></tr> <tr><td><input type="checkbox"/> Filing Brief in Support of Appeal</td><td style="text-align: right;">\$</td></tr> <tr><td><input type="checkbox"/> Request for Oral Hearing</td><td style="text-align: right;">\$</td></tr> <tr><td><input type="checkbox"/> Utility Issue Fee (or reissue)</td><td style="text-align: right;">\$</td></tr> <tr><td><input type="checkbox"/> Design Issue Fee</td><td style="text-align: right;">\$</td></tr> <tr><td><input type="checkbox"/> Plant Issue Fee</td><td style="text-align: right;">\$</td></tr> <tr><td><input type="checkbox"/> Petitions to Commissioner</td><td style="text-align: right;">\$</td></tr> <tr><td><input type="checkbox"/> Petition to Revive (unavoidable)</td><td style="text-align: right;">\$</td></tr> <tr><td><input type="checkbox"/> Petition to Revive (unintentional)</td><td style="text-align: right;">\$</td></tr> <tr><td><input type="checkbox"/> Petitions Related to Provisional Applications</td><td style="text-align: right;">\$</td></tr> <tr><td><input type="checkbox"/> Submission of Information Disclosure Statement</td><td style="text-align: right;">\$</td></tr> <tr><td><input type="checkbox"/> Filing Submission After Final Rejection</td><td style="text-align: right;">\$</td></tr> <tr><td><input type="checkbox"/> Recordation of Assignment</td><td style="text-align: right;">\$</td></tr> <tr><td><input type="checkbox"/> Filing Request for Reexamination</td><td style="text-align: right;">\$</td></tr> <tr><td><input type="checkbox"/> Other (specify) _____</td><td style="text-align: right;">\$</td></tr> </table>			Fee Description	Fee Paid	<input type="checkbox"/> Surcharge - late filing fee or oath	\$	<input type="checkbox"/> Surcharge - late provisional filing fee or cover sheet	\$	<input type="checkbox"/> Extension for reply with 1 month	\$	<input type="checkbox"/> Notice of Appeal	\$	<input type="checkbox"/> Filing Brief in Support of Appeal	\$	<input type="checkbox"/> Request for Oral Hearing	\$	<input type="checkbox"/> Utility Issue Fee (or reissue)	\$	<input type="checkbox"/> Design Issue Fee	\$	<input type="checkbox"/> Plant Issue Fee	\$	<input type="checkbox"/> Petitions to Commissioner	\$	<input type="checkbox"/> Petition to Revive (unavoidable)	\$	<input type="checkbox"/> Petition to Revive (unintentional)	\$	<input type="checkbox"/> Petitions Related to Provisional Applications	\$	<input type="checkbox"/> Submission of Information Disclosure Statement	\$	<input type="checkbox"/> Filing Submission After Final Rejection	\$	<input type="checkbox"/> Recordation of Assignment	\$	<input type="checkbox"/> Filing Request for Reexamination	\$	<input type="checkbox"/> Other (specify) _____	\$
Fee Description	Fee Paid																																										
<input type="checkbox"/> Surcharge - late filing fee or oath	\$																																										
<input type="checkbox"/> Surcharge - late provisional filing fee or cover sheet	\$																																										
<input type="checkbox"/> Extension for reply with 1 month	\$																																										
<input type="checkbox"/> Notice of Appeal	\$																																										
<input type="checkbox"/> Filing Brief in Support of Appeal	\$																																										
<input type="checkbox"/> Request for Oral Hearing	\$																																										
<input type="checkbox"/> Utility Issue Fee (or reissue)	\$																																										
<input type="checkbox"/> Design Issue Fee	\$																																										
<input type="checkbox"/> Plant Issue Fee	\$																																										
<input type="checkbox"/> Petitions to Commissioner	\$																																										
<input type="checkbox"/> Petition to Revive (unavoidable)	\$																																										
<input type="checkbox"/> Petition to Revive (unintentional)	\$																																										
<input type="checkbox"/> Petitions Related to Provisional Applications	\$																																										
<input type="checkbox"/> Submission of Information Disclosure Statement	\$																																										
<input type="checkbox"/> Filing Submission After Final Rejection	\$																																										
<input type="checkbox"/> Recordation of Assignment	\$																																										
<input type="checkbox"/> Filing Request for Reexamination	\$																																										
<input type="checkbox"/> Other (specify) _____	\$																																										
2. <input type="checkbox"/> Check Enclosed. The Commissioner is hereby authorized to charge any variance between the amount enclosed and the Patent Office charges to Deposit Account No. 02-4377 in the name of Baker Botts L.L.P., 30 Rockefeller Plaza, New York, NY 10112-4498.																																											
FEE CALCULATION																																											
1. BASIC FILING FEE <input checked="" type="checkbox"/> Large Entity <input type="checkbox"/> Small Entity																																											
		Fee Paid																																									
	Utility Filing Fee	\$																																									
	Design Filing Fee	\$																																									
	Plant Filing Fee	\$																																									
	Reissue Filing Fee	\$																																									
	Provisional Filing Fee	\$																																									
2. EXTRA CLAIMS FEES																																											
CLAIMS AS AMENDED																																											
For	Number Present	Highest Number Paid For	Extra	Rate		Amount																																					
				Large Entity	Small Entity																																						
TOTAL CLAIMS	26	20		x \$ 18.00	x \$ 9.00	\$0.00																																					
INDEPENDENT CLAIMS	2	3		x \$ 84.00	x \$ 42.00	\$0.00																																					
MULTIPLE DEPENDENT CLAIMS				\$ 280.00	\$ 140.00	\$0.00																																					
TOTAL EXTRA CLAIMS FEES						\$0.00																																					
SUBMITTED BY				Complete (if applicable)																																							
Typed or Printed Name Timothy J. Churna				Registration No. 48,340																																							
Signature				Date 9/10/03																																							
				Deposit Account User ID 02-4377																																							